

IN THE CLAIMS:

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Claim 1 (previously amended) A method of racing control in system management including the steps of determining, regarding newly requested operations under the Common Management Information Protocol (CMIP) defined by an Open System Interconnection (OSI) model for switching systems, whether or not a managed object instance of CMIP operations now being executed and a managed object instance specified by the newly requested CMIP operations are the same and, when the instances are different, allowing execution of the newly requested CMIP operations, while when the instances are the same, referring to a racing control table formed based on a combination of operation classifications to determine whether it is possible to execute the newly requested CMIP operations.

Claim 2 (currently amended) A method of racing control in system management including the steps of determining, regarding either one of the newly requested operations of operations under the Common Management Information Protocol (CMIP) defined by the Open System Interconnection (OSI) model for switching systems and operations of a format inherent to a system manufacturer or of a format inherent to a particular the system, whether or not an external expression establishing correspondence between managed object instances of CMIP operations and resources to be controlled of operations inherent to the system is the same as the external expression of the operations

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now being executed, when they are different, allowing the execution of the newly requested operations, while when they are the same, establishing correspondence of the classification of CMIP operations with a classification of control of operations of a format inherent to a system manufacturer or of a format inherent to a particular the system, and referring to a common racing control table formed based on combinations of the latter classifications of control to determine whether it is possible to execute the newly requested operations.

Claim 3 (currently amended) A method of racing control in system management including the steps of determining, regarding either one of newly requested operations of operations under the Common Management Information Protocol (CMIP) defined by the Open System Interconnection (OSI) model for switching systems and operations of a format inherent to a system manufacturer or of a format inherent to a particular the system, whether or not an external expression establishing correspondence between managed object instances of CMIP operations and resources to be controlled of operations inherent to the system is the same as an external expression of the operations now being executed, when they are different, allowing the execution of the newly requested operations, while when they are the same, establishing correspondence of the classification of CMIP operations with the classification of control of operations inherent to the system and referring to a common racing control table formed based on combinations of the former classifications of CMIP operations to determine whether it is possible to execute the newly requested operations.

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Claim 4 (previously amended) A system of racing control in system management by a Common Management Information Protocol (CMIP) operations defined by the Open System Interconnection (OSI) model for switching systems, provided with:

an operation registration table for registering operations now being executed;

a racing control table for storing information of whether or not newly requested operations may be executed in the form (matrix) of combinations of classifications of newly requested and now being executed CMIP operations; and

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a racing control unit including a first means for extracting CMIP operations now being executed from the operation registration table upon newly requested CMIP operations, a second means for determining whether or not the managed object instance of the CMIP operations now being executed extracted by this first means and the managed object instance of the newly requested CMIP operations are the same, and a third means for, when it is determined by this second means that they are the same, determining whether or not newly requested CMIP operations can be executed by referring to the racing control table.

Claim 5 (currently amended) A system of racing control in system management by a Common Management Information Protocol (CMIP) operations defined by the Open System Interconnection (OSI) model for switching systems and operations inherent to the system, provided with:

an operation registration table for registering operations now being executed;

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a common racing control table for establishing correspondence between classifications of operations of CMIP and classifications of control of operations of a format inherent to a system manufacturer or of a format inherent to a particular the system, and storing information on whether or not newly requested operations may be executed; and

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a racing control unit including a first means for extracting operations now being executed from the operation registration table upon newly requested operations, a second means for determining whether or not the external expression corresponding to the managed object instance of the CMIP operations now being extracted by this first means and the external expression of the newly requested operations are the same, and a third means for, when it is determined that they are the same by this second means, determining whether the newly requested operations may be executed by referring to the common racing control table.

Claim 6 (currently amended) A racing control system as set forth in claim 5, wherein the common racing control table is structured to establish correspondence for classifications of control of operations of a format inherent to a system manufacturer or of a format inherent to a particular the system with classifications of operations of the CMIP, and to store information of whether newly requested operations may be executed in the form of combinations of classifications of operations now being executed and classifications of newly requested operations.

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Claim 7 (currently amended) A racing control system as set forth in claim 5, wherein the common racing control table is structured to establish correspondence for classifications of operations of the CMIP with classifications of control of operations of a format inherent to a system manufacturer or of a format inherent to a particular the system, and to store information of whether or not newly requested operations may be executed in the form of combinations of classifications of control of operations now being executed and classifications of control of newly requested operations.

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Claim 8 (currently amended) A racing control system as set forth in claim 5, wherein the racing control unit is structured to determine, regarding CMIP operations and operations of a format inherent to a system manufacturer or of a format inherent to a particular the system, whether or not newly requested operations may be executed, based on identity of expressions of resources to be controlled, identity or resemblance of categories of resources to be controlled, and the classifications of control or groups of classifications of control of operations now being executed and newly requested operations.